

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

0 406 940 A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **90201683.1**

(51) Int. Cl.⁵: **A23L 1/302, A23L 1/308,
A23D 9/00**

(22) Date of filing: **26.06.90**

(30) Priority: **30.06.89 EP 89201748**

(43) Date of publication of application:
09.01.91 Bulletin 91/02

(84) Designated Contracting States:
AT BE CH DE DK ES FR GB GR IT LI NL SE

(88) Date of deferred publication of the search report:
11.03.92 Bulletin 92/11

(71) Applicant: **UNILEVER NV**
Burgemeester s'Jacobplein 1 P.O. Box 760
NL-3000 DK Rotterdam(NL)
(84) **BE CH DE DK ES FR GR IT LI NL SE AT**

(71) Applicant: **UNILEVER PLC**
Unilever House Blackfriars P.O. Box 68
London EC4P 4BO(GB)
(84) **GB**

(72) Inventor: **de Boer, Bernardus Cornelis Joseph**
Unilever Research Lab., Olivier van
Noortlaan 120
NL-3133 AT Vlaardingen(NL)
Inventor: **Kivits, Gerardus Adrianus Antonius**
Unilever Research Lab., Olivier van
Noortlaan 120
NL-3133 AT Vlaardingen(NL)

(74) Representative: **Mulder, Cornelis Willem**
Reinier, Dr. et al
UNILEVER N.V. Patent Division P.O. Box 137
NL-3130 AC Vlaardingen(NL)

(54) **Edible fat-containing products containing ester derivatives of vitamin E.**

(57) The present invention pertains to edible fat-containing food products comprising an indigestible fat-replacer and a vitamin E derivative selected on the basis of reduced hydrophobicity as expressed by its Retention Value. Having a Retention Value of 7 or more, the vitamin E derivatives of the invention are less sensitive to depletory effects by the indigestible fat-replacer.

EP 0 406 940 A3



European
Patent Office

EUROPEAN SEARCH REPORT

Application Number

EP 90 20 1683

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
D,A	US-A-4 005 196 (R.J. JANDACEK AND F.H. MATTSON) * column 11, line 4-10; claims 1,5,21; examples 4,6 *** column 10, line 48 - line 55 *** column 1, line 64 - line 66 ** * column 8, line 30-33, line 49-65 *** column 12, line 58 - line 64 ** - - -	1,7,8,9	A 23 L 1/302 A 23 L 1/308 A 23 D 9/00
A	US-A-2 333 658 (H.A. MATTILL AND C. GOLUMBIC) * column 1, line 40 - column 2, line 2; claims 1,2,4,9,17 *** column 3, line 68 - line 74 *** column 4, line 45 - line 75 *** column 7, line 34 - line 36 ** - - -	1,4-6,10	
A	DE-A-1 493 714 (MERCK & CO) * page 1; claims 1-3,9; example 4 *** page 2, paragraph 3 ** * page 4, paragraph 1 ** - - -	1,4-6	
A	JOURNAL OF LIQUID CHROMATOGRAPHY vol. 12, no. 5, 1989, pages 729 - 738; S HARA ET AL.: 'CHARACTERIZATION OF COLUMN PACKINGS IN NORMAL-PHASE LIQUID CHROMATOGRAPHY. 1. RETENTION BEHAVIOR OF FAT-SOLUBLE VITAMINS' * page 731 - page 735 *** page 737; figure 5 ** - - -	2,3	
A	EP-A-0 290 065 (THE PROCTOR & GAMBLE COMPANY) * page 6, line 19 - line 22; claim 1; examples 1,2 *** page 3, line 10 - line 16 ** - - -	1,7-10	
A	FR-A-2 206 129 (MERCK & CO INC.) * page 1, line 23 - line 26; claims 1,3,23; examples 7,8 ** - - -	6	
A	W.H. SEBRELL AND R.S. HARRIS, EDS. 'THE VITAMINS' 1972, ACADEMIC PRESS, NEW YORK * Chapter 16 "Tocopherols"; page 255, 225, 221 ** - - - - -	6	
The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		07 January 92	KANBIER D.T.
CATEGORY OF CITED DOCUMENTS			
X: particularly relevant if taken alone		E: earlier patent document, but published on, or after the filing date	
Y: particularly relevant if combined with another document of the same category		D: document cited in the application	
A: technological background		L: document cited for other reasons	
O: non-written disclosure		&: member of the same patent family, corresponding document	
P: intermediate document			
T: theory or principle underlying the invention			